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(54) Title: NOVEL POLYMERS COMPRISING BENZOTRIAZOLE FOR USE IN OPTICAL DEVICES

(57) Abstract: The present invention relates to polymers comprising benzotriazole containing repeating units. Optical devices, comprising the polymers of the present invention, can show significant advantages in color purity, device efficiency and/or operational lifetime. In addition, the polymers can have good solubility characteristics and relatively high glass transition temperatures, which facilitates their fabrication into coatings and films that are relatively thin, thermally stable, and relatively free of defects.

INTERNATIONAL SEARCH REPORT

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PCT/EP2004/050606 A. CLASSIFICATION OF SUBJECT MATTER IPC 7 C08G61/12 According to International Patent Classification (IPC) or to both national classification and IPC **B. FIELDS SEARCHED** Minimum documentation searched (classification system followed by classification symbols) IPC 7 C08G C07D Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practical, search terms used) EPO-Internal, CHEM ABS Data, WPI Data, PAJ C. DOCUMENTS CONSIDERED TO BE RELEVANT Category ° Citation of document, with indication, where appropriate, of the relevant passages Relevant to claim No. X WO 97/12882 A (HOECHST CELANESE CORP) 1 10 April 1997 (1997-04-10) cited in the application page 11, line 5 Α WO 01/49768 A (CAMBRIDGE DISPLAY 1-13 TECHNOLOGY) 12 July 2001 (2001-07-12) cited in the application page 5, line 11 - page 8, line 4; claims 1-16 Further documents are listed in the continuation of box C. Patent family members are listed in annex. Special categories of cited documents: *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the A document defining the general state of the art which is not considered to be of particular relevance Invention earlier document but published on or after the international "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone filing date 'L' document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such docudocument referring to an oral disclosure, use, exhibition or other means document published prior to the international filing date but later than the priority date claimed ments, such combination being obvious to a person skilled in the art. *&* document member of the same patent family Date of the actual completion of the international search Date of mailing of the international search report 27 September 2005 07/10/2005 Name and mailing address of the ISA Authorized officer European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk
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